

**TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371**

ATTORNEY'S DOCKET NUMBER

15675P568

U.S. APPLICATION NO. (if known, see 37 CFR 1.5)

**10/322397**INTERNATIONAL APPLICATION NO.  
FR2003/002340INTERNATIONAL FILING DATE  
24 July 2003

PRIORITY DATE CLAIMED

7/24/02 **10/322397**

## TITLE OF INVENTION

Method For Producing By Vapour-Phase Epitaxy a Gallium Nitride Film With Low Defect Density

## APPLICANT(S) FOR DO/EO/US

Bernard Beaumont, et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
  2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
  3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items(5), (6), (9) and (21) indicated below.
  4. ☒ The US has been elected (Article 31).
  5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
    - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
    - b. ☐ has been communicated by the International Bureau.
    - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
  6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
    - a. ☒ is attached hereto.
    - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4)).
  7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
    - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
    - b. ☐ have been communicated by the International Bureau.
    - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
    - d. ☐ have not been made and will not be made.
  8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
  9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
  10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
- Items 11 to 20 below concern document(s) or information included:**
11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
  12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
  13. ☒ A preliminary amendment.
  14. ☐ An Application Data Sheet under 37 CFR 1.76.
  15. ☐ A substitute specification.
  16. ☐ A power of attorney and/or change of address letter.
  17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
  18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4)).
  19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4)).
  20. ☒ Other items or information.

return postcard; Formal drawings transmittal; 7 drawing sheets; Priority Request; International Search Report;  
Form PCT/RO/01; PCT/IB/301; PCT/IB304;

|   |  |  |  |                                       |  |
|---|--|--|--|---------------------------------------|--|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5)<br><b>10/522397</b> |  | INTERNATIONAL APPLICATION NO.<br>FR2003/002340 |  | ATTORNEY'S DOCKET NUMBER<br>15675P568 |  |
|---|--|--|--|---------------------------------------|--|

| 21. The following fees are submitted:   |                             |   |       | Applicant Use      Office use only |                |
|---|-----------------------------|---|-------|------------------------------------|----------------|
| <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1)-(5):</b>  |                             |   |       |                                    |                |
| <input checked="" type="checkbox"/>   | a) Basic national fee ..... | \$300.00  | \$    | 300.00                             |                |
| <input checked="" type="checkbox"/>   | b) Examination fee .....    | \$200.00  | \$    | 200.00                             |                |
| <input checked="" type="checkbox"/>   | c) Search fee .....         | \$500.00  | \$    | 500.00                             |                |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |                             |   | \$    | <b>1000.00</b>                     |                |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is <b>\$250.00</b> for each additional 50 sheets of paper or fraction thereof. |                             |   |       |                                    |                |
| Total Sheets  | Extra Sheets                | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE  |                                    |                |
| - 100 =   | - 100 / 50 =                |   | x     | \$                                 |                |
| Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |                             |   |       | \$                                 |                |
| CLAIMS  | NUMBER FILED                | NUMBER EXTRA  | RATE  |                                    |                |
| Total claims  | 25- 20 =                    | 5   | x 50  | \$                                 | 250.00         |
| Independent claims  | 1 - 3 =                     | 0   | x 200 | \$                                 | 0.00           |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |                             |   | + 360 | \$                                 | 360.00         |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |                             |   |       | \$                                 | <b>1610.00</b> |
| <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |                             |   |       | \$                                 | 1610.00        |
| <b>SUBTOTAL =</b>   |                             |   |       | \$                                 | <b>805.00</b>  |
| Processing fee of <b>\$130.00</b> for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). <span style="float: right;"><input type="checkbox"/></span>  |                             |   |       | \$                                 |                |
| <b>TOTAL NATIONAL FEE =</b>   |                             |   |       | \$                                 | <b>805.00</b>  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property  |                             |   |       | \$                                 |                |
| <b>TOTAL FEES ENCLOSED =</b>  |                             |   |       | \$                                 | <b>805.00</b>  |
| Amount to be refunded:  |                             |   |       | \$                                 |                |
| charged:  |                             |   |       | \$                                 |                |

a. ☒ A check in the amount of \$ 805.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 02-2666 in the amount of \$ 805.00 to cover the above fees. A duplicate copy of this sheet is enclosed.

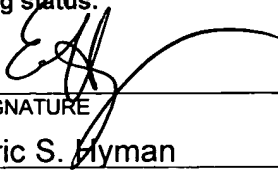
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2666. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b) must be filed and granted to restore the application to pending status.

|   |                     |  |
|---|---------------------|--|
| SEND ALL CORRESPONDENCE TO:<br>Blakely, Sokoloff, Taylor & Zafman LLP<br>2400 Wilshire Boulevard, 7th Floor<br>Los Angeles, CA 90025<br>Telephone: (310) 207-3800 | DATE <u>1/21/05</u> | SIGNATURE <u></u><br>NAME <u>Eric S. Hyman</u><br>REGISTRATION NUMBER <u>30,139</u> |
|---|---------------------|--|

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

BERNARD BEAUMONT, ET AL.

Application No.:

Filed:

For: **Method For Producing By Vapour-Phase  
Epitaxy a Gallium Nitride Film With Low  
Defect Density**

Art Group:

Examiner:

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL OF FORMAL DRAWINGS

Sir:

Enclosed herewith for filing in the above-identified U.S. Patent Application are the formal drawings, 7 sheets including 14 Figures. Please charge any additional fees or credit any overpayment to Deposit Account No. 02-2666. A duplicate copy of the Fee Transmittal is enclosed for this purpose.

Respectfully submitted,

Blakely, Sokoloff, Taylor & Zafman LLP

Dated:

1/21/05

  
Eric S. Hyman, Reg. No. 30,139

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